

FIG. 1

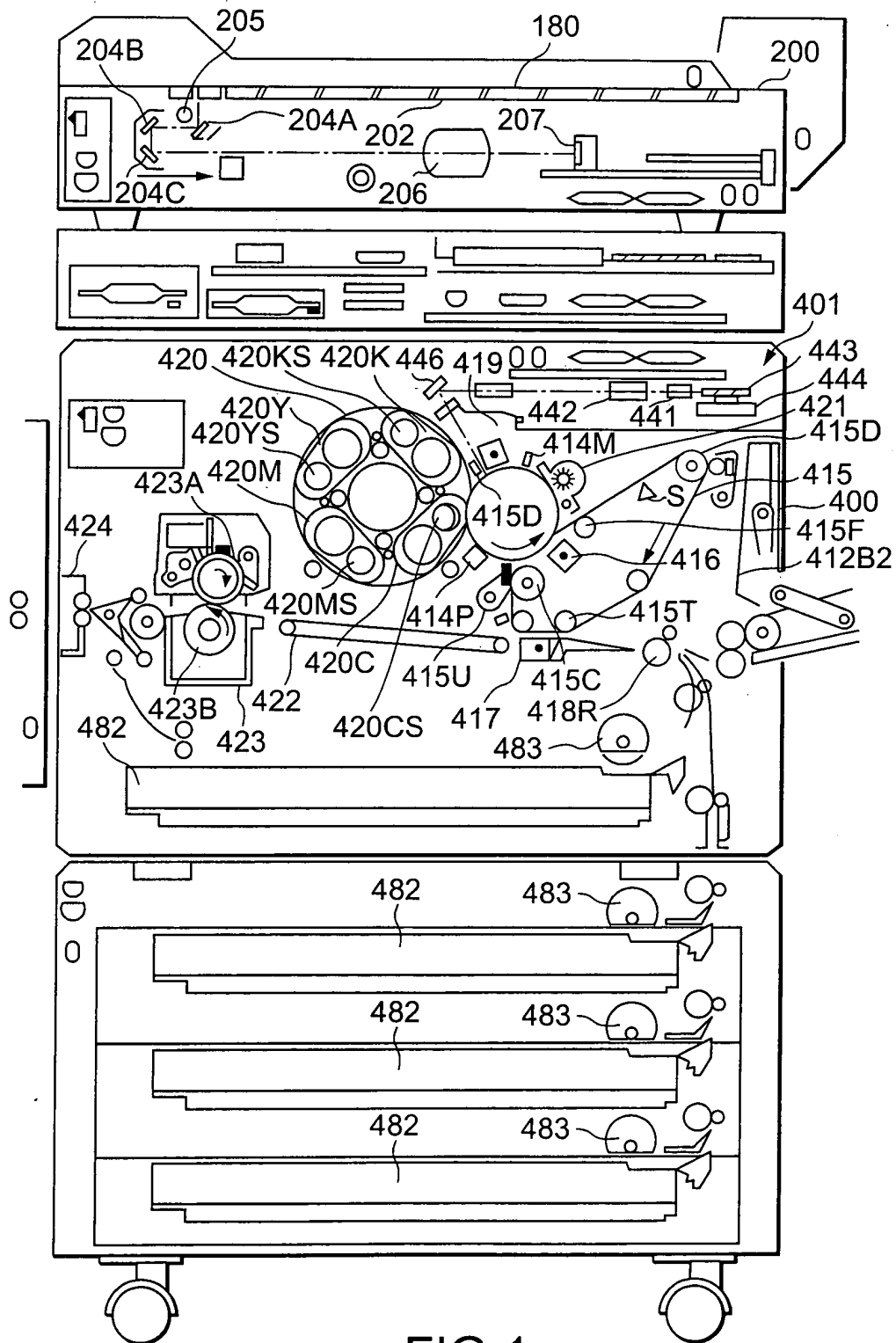


FIG.1

FIG. 2

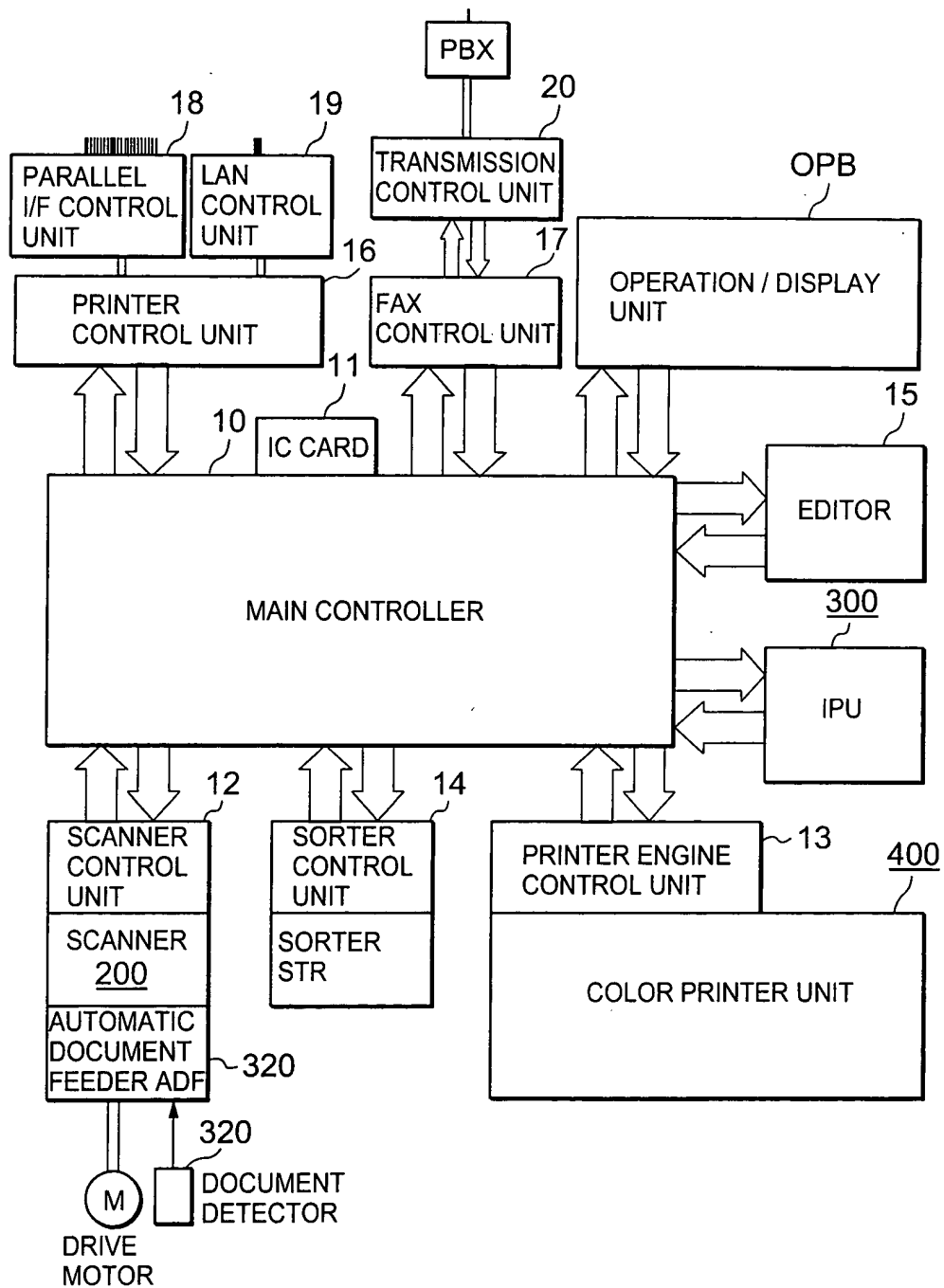


FIG.2

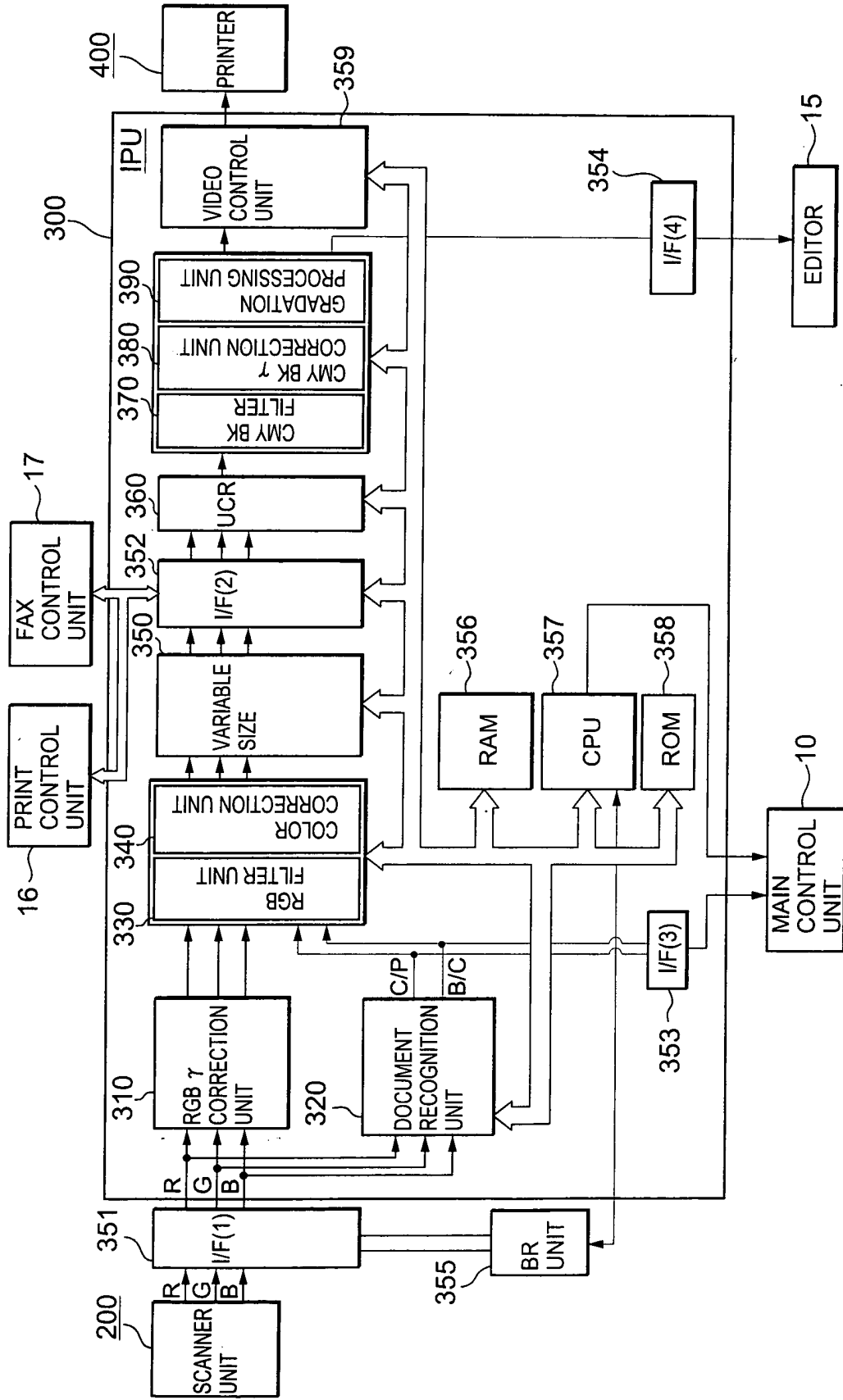


FIG.3

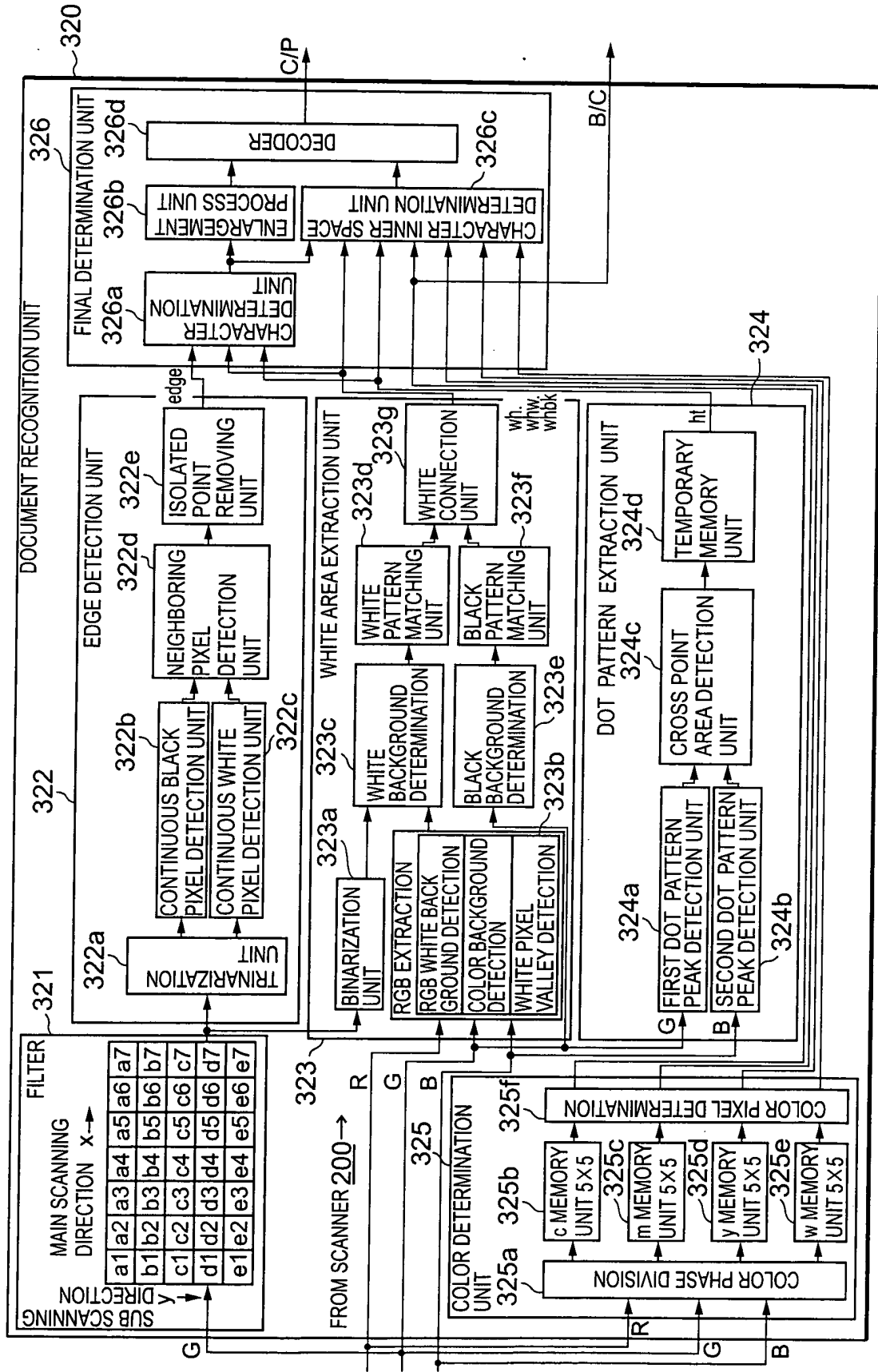


FIG. 4A

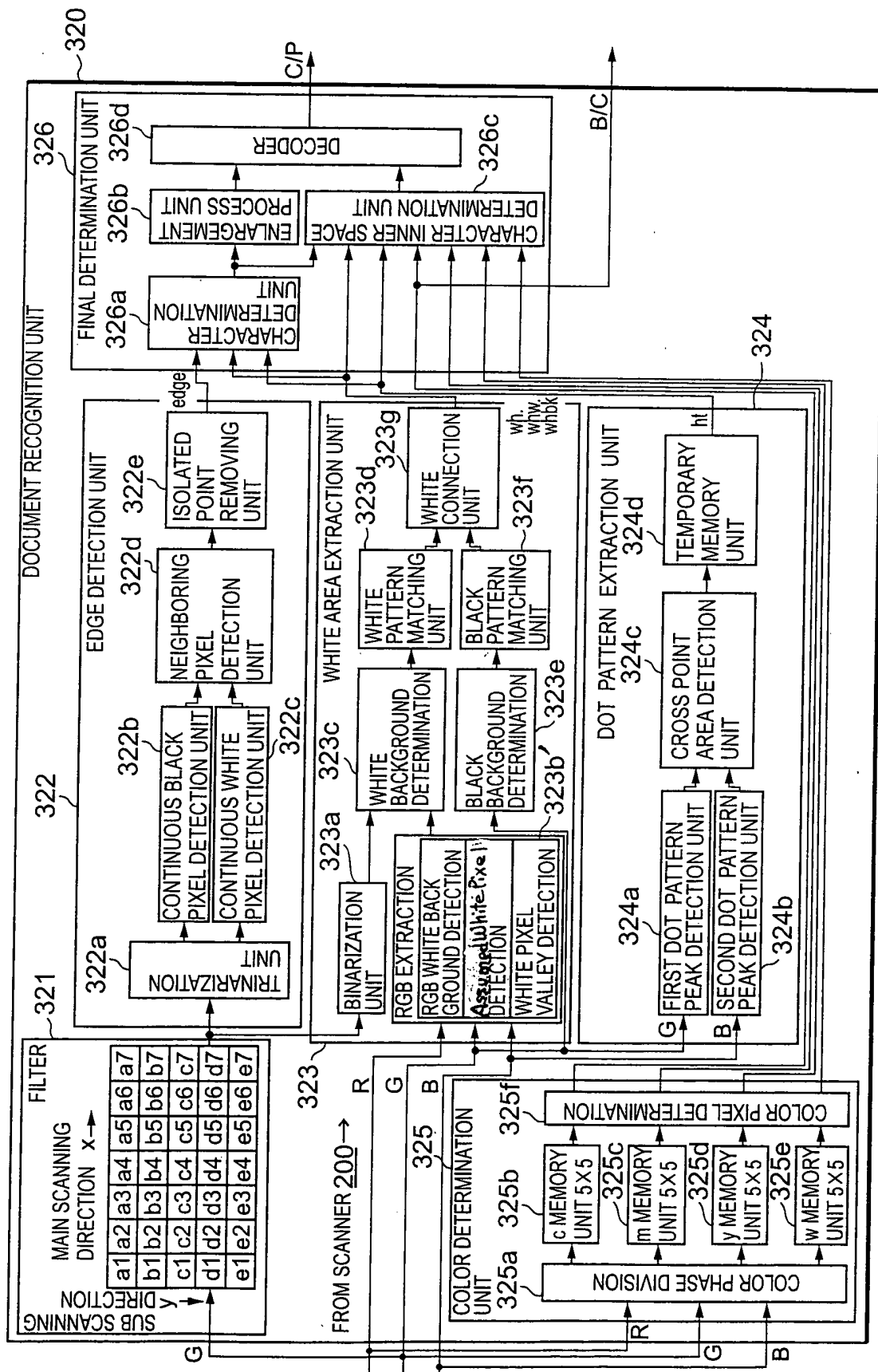


FIG.4B

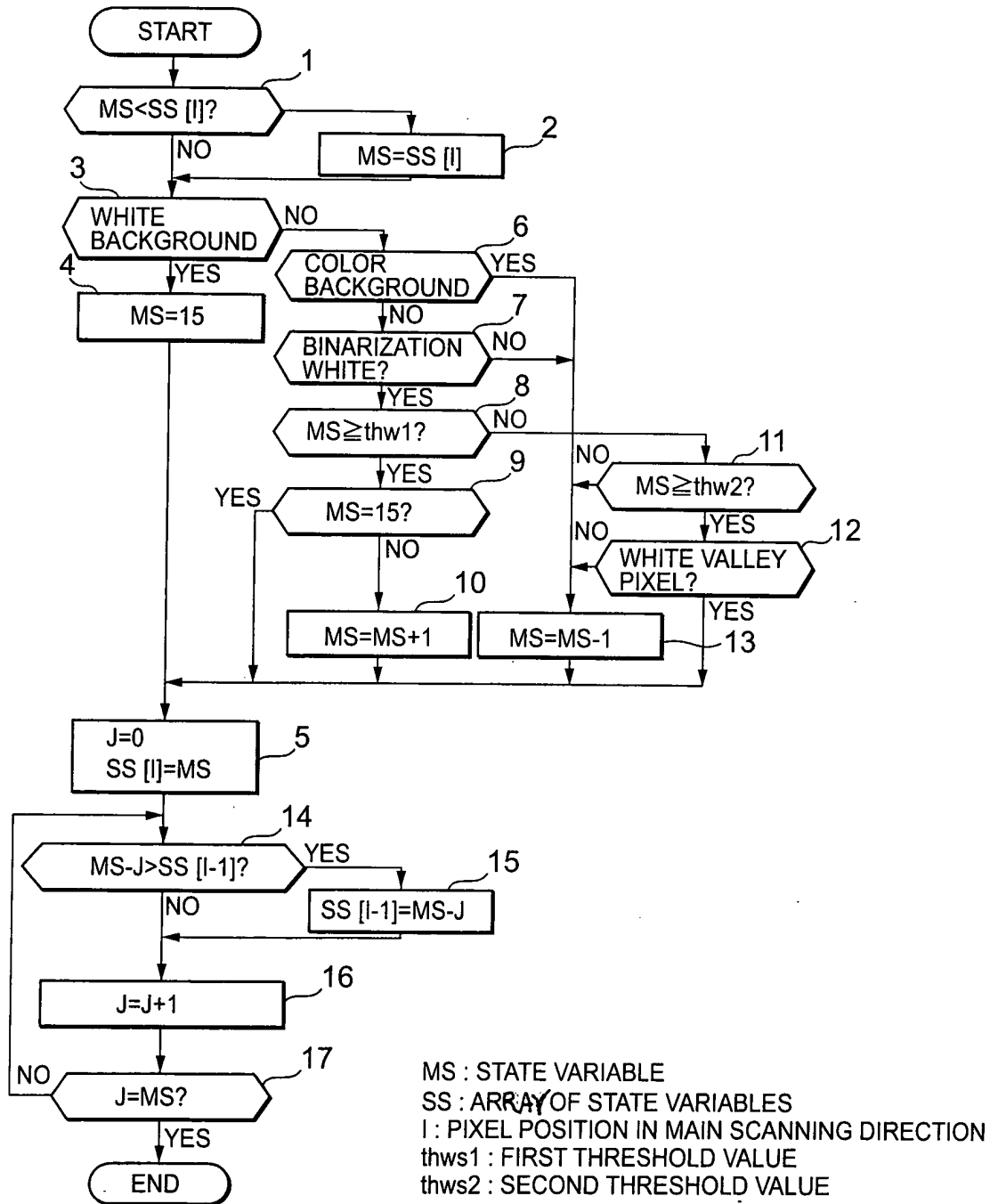


FIG.5A

```

graph TD
    START([START]) --> 1{MS < SS[I]?}
    1 -- NO --> 2[MS = SS[I]]
    2 --> 3{WHITE BACKGROUND?}
    3 -- YES --> 4[MS = 15]
    3 -- NO --> 6{Assumed White Pixels?}
    6 -- YES --> 7{BINARIZATION WHITE?}
    7 -- YES --> 8{MS ≥ thw1?}
    8 -- YES --> 9{MS = 15?}
    9 -- YES --> 4
    9 -- NO --> 10[MS = MS + 1]
    10 --> 4
    8 -- NO --> 11{MS ≥ thw2?}
    11 -- YES --> 12{WHITE VALLEY PIXEL?}
    12 -- YES --> 13[MS = MS - 1]
    13 --> 4
    12 -- NO --> 7
    11 -- NO --> 7
    7 -- NO --> 11
    4 --> 5[J = 0  
SS[I] = MS]
    5 --> 14{MS - J > SS[I - 1]?}
    14 -- YES --> 15[SS[I - 1] = MS - J]
    15 --> 14
    14 -- NO --> 16[J = J + 1]
    16 --> 17{J = MS?}
    17 -- YES --> END([END])
    17 -- NO --> 14

```

MS : STATE VARIABLE  
SS : ARRAY OF STATE VARIABLES  
I : PIXEL POSITION IN MAIN SCANNING  
thws1 : FIRST THRESHOLD VALUE  
thws2 : SECOND THRESHOLD VALUE

MS : STATE VARIABLE  
SS : ARRAY OF STATE VARIABLES  
I : PIXEL POSITION IN MAIN SCANNING DIRECTION  
thws1 : FIRST THRESHOLD VALUE  
thws2 : SECOND THRESHOLD VALUE

FIG. 5B

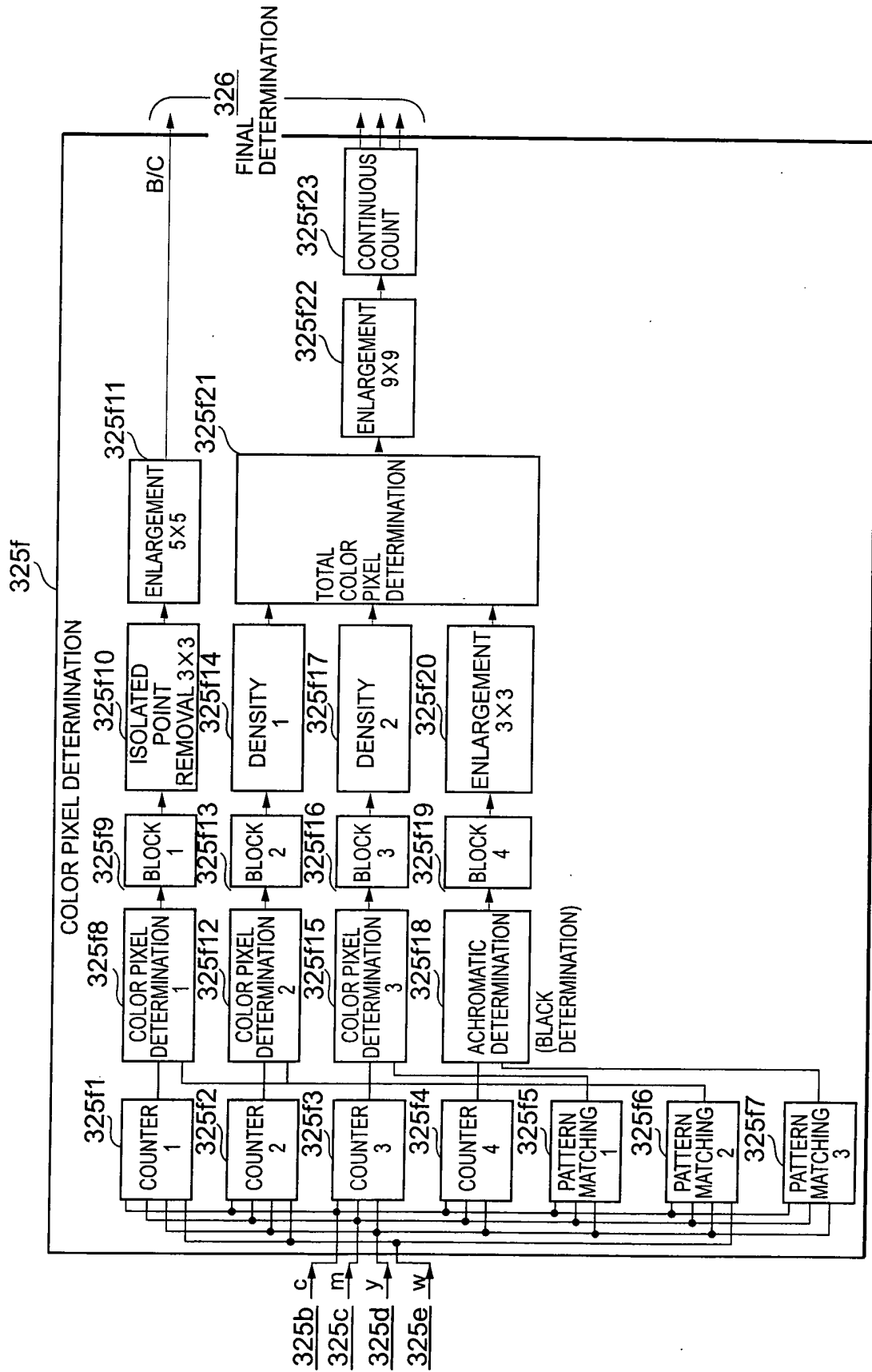
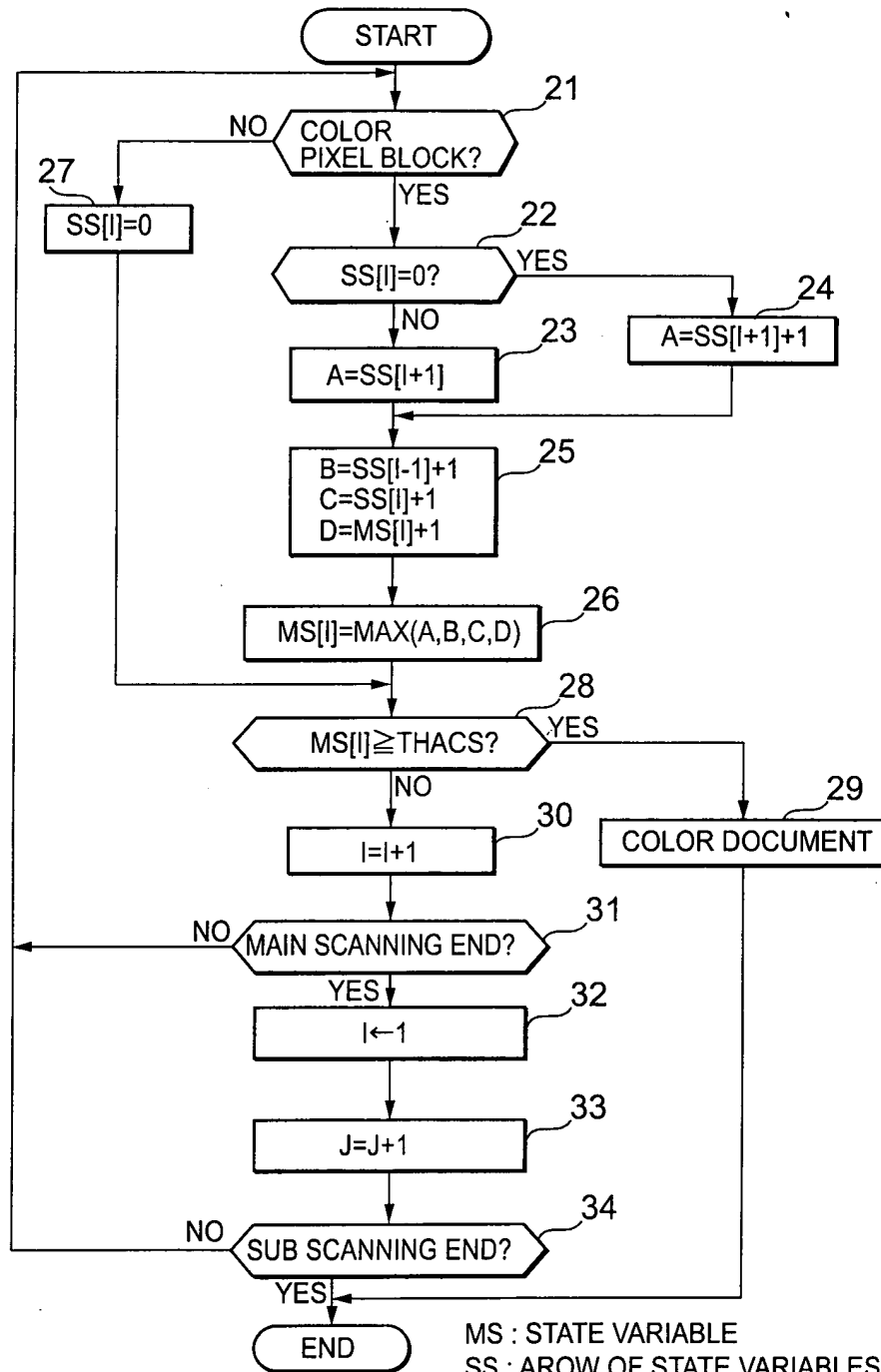


FIG.6





MS : STATE VARIABLE  
 SS : AROW OF STATE VARIABLES  
 I : PIXEL POSITION IN MAIN SCANNING DIRECTION  
 THACS : THRESHOLD VALUE

FIG.7

FIG. 8B

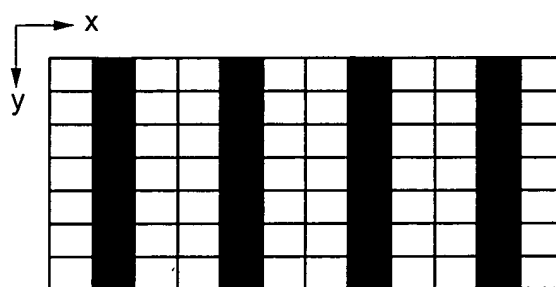


FIG.9

093264-04001  
F00140-7922E860

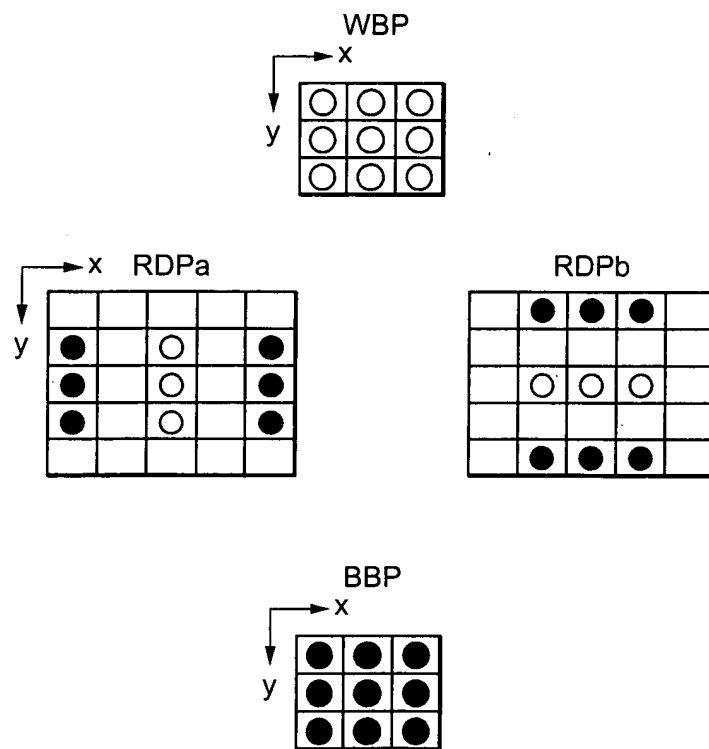


FIG.10

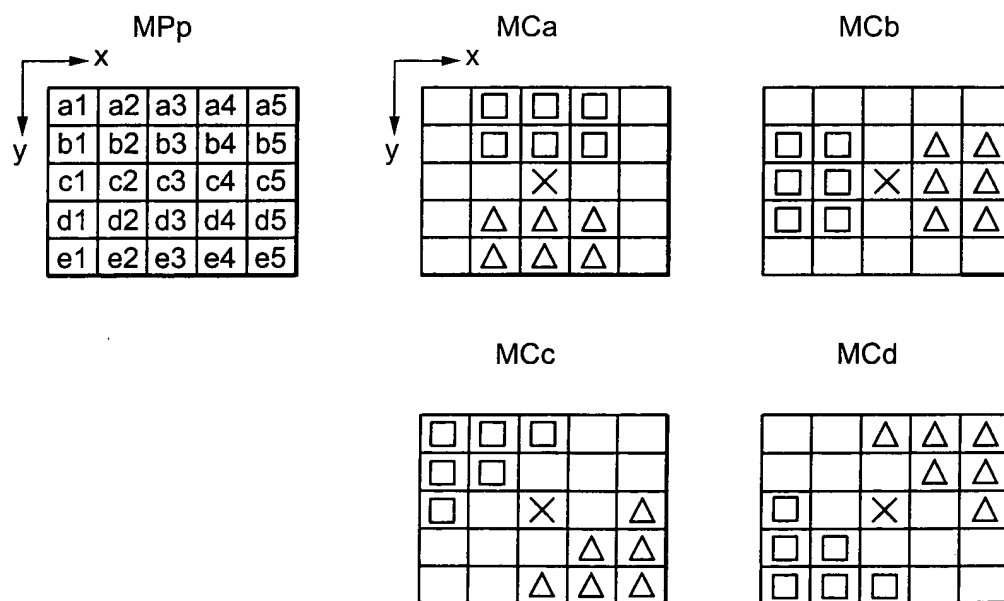


FIG.11

LMP

$\rightarrow x$

																E
1	2	3	4	5	6	7	8	9	A	B	C	D	E	F		

$y \downarrow$

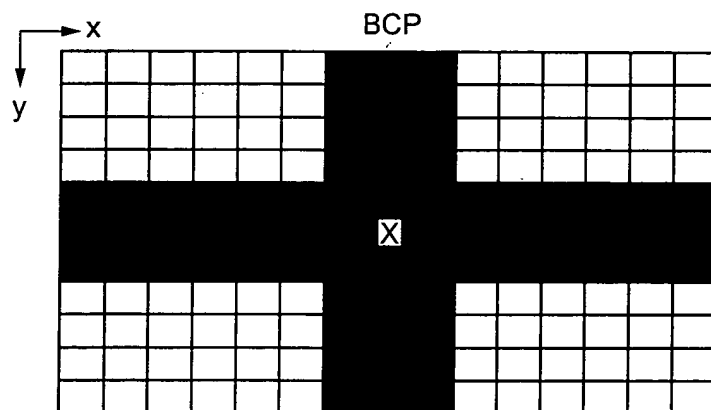
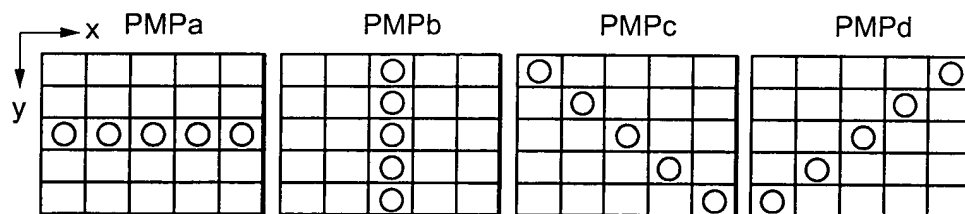


FIG.12

**SECRET**

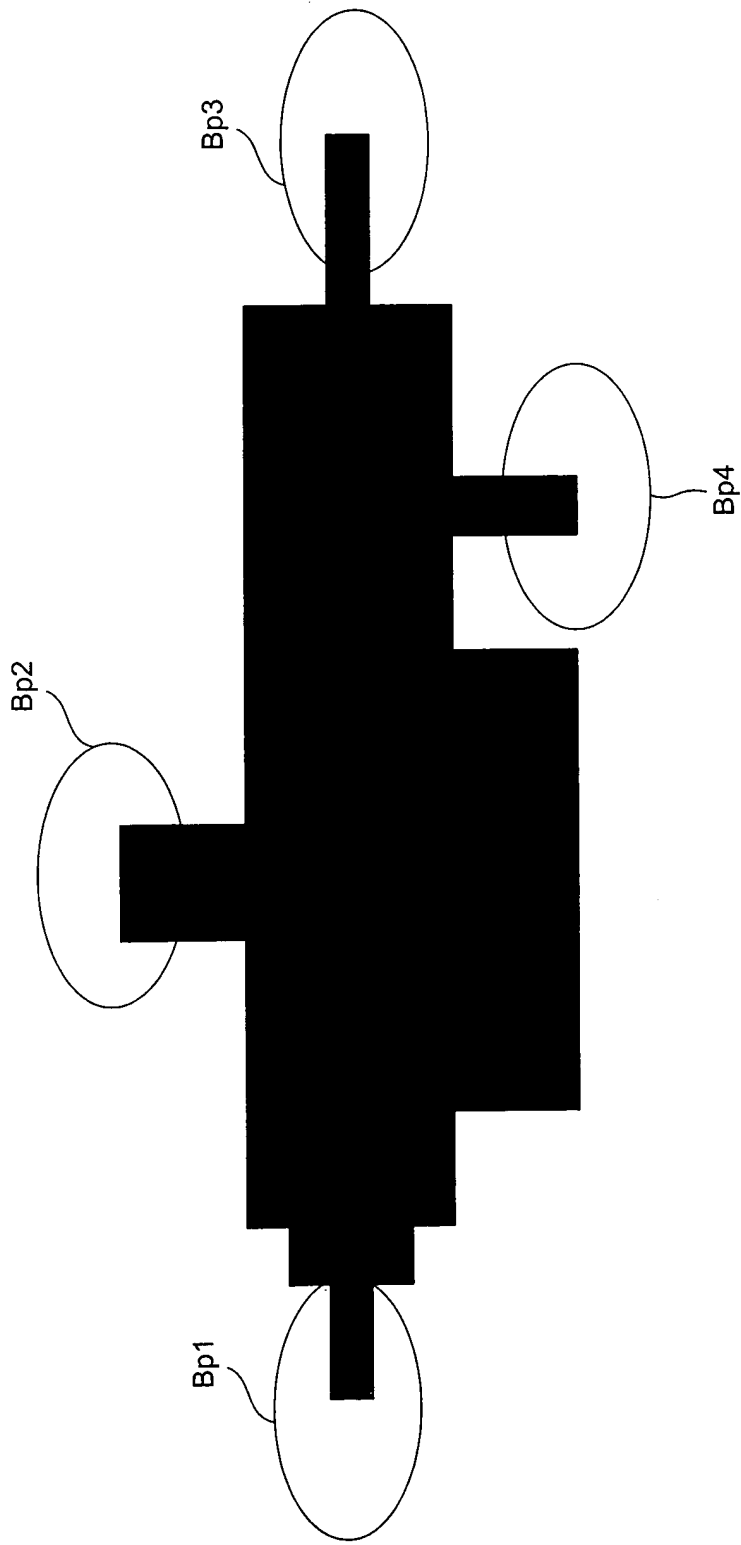


FIG. 13

000000-04001  
T00140-4922360

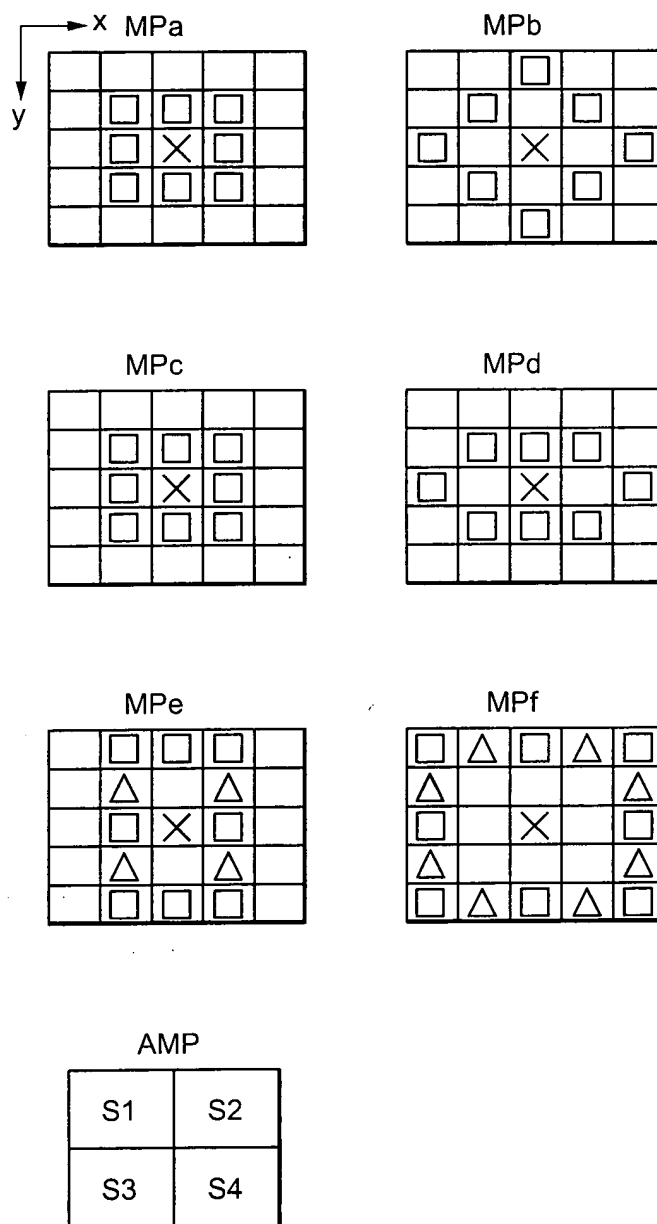


FIG.14

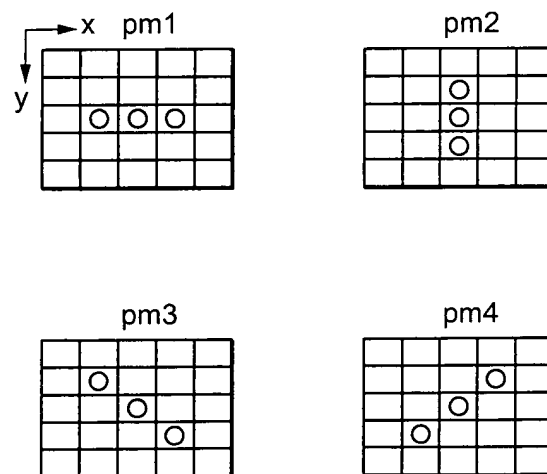
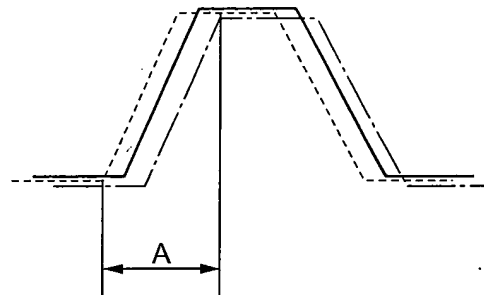
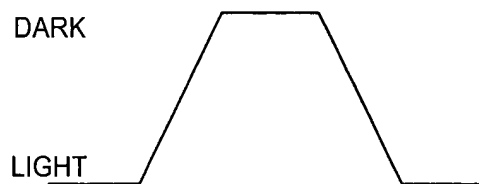
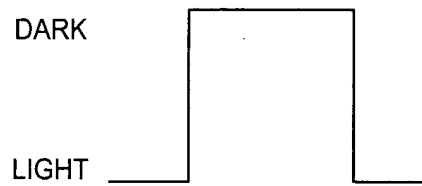
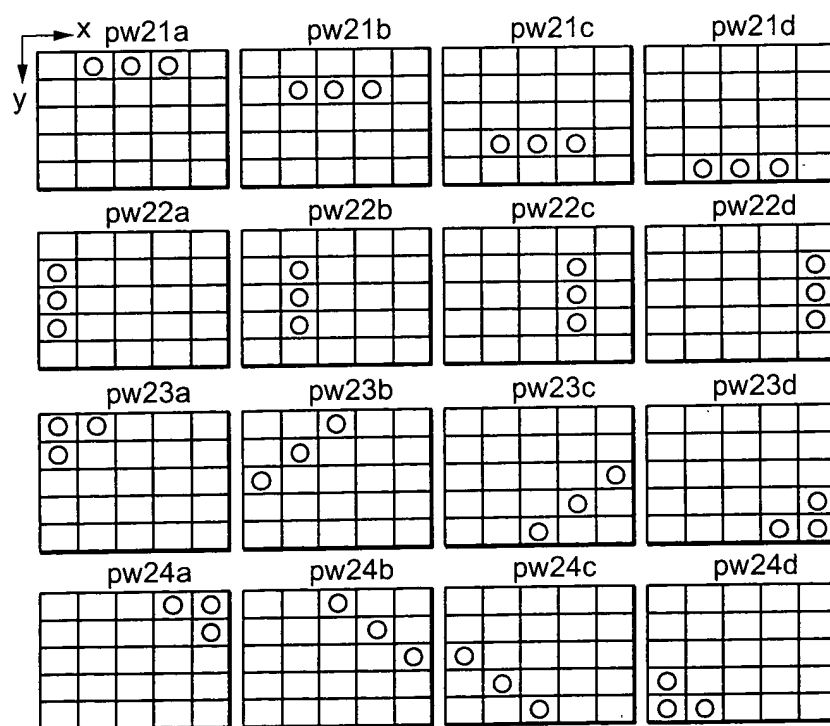
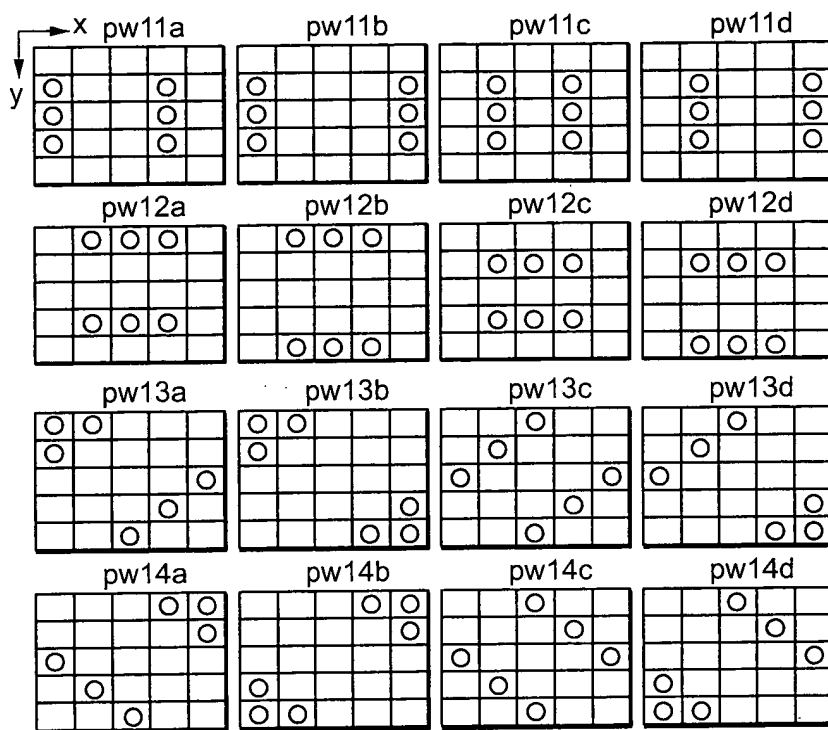


FIG.16

093261-0101  
400440-4922360





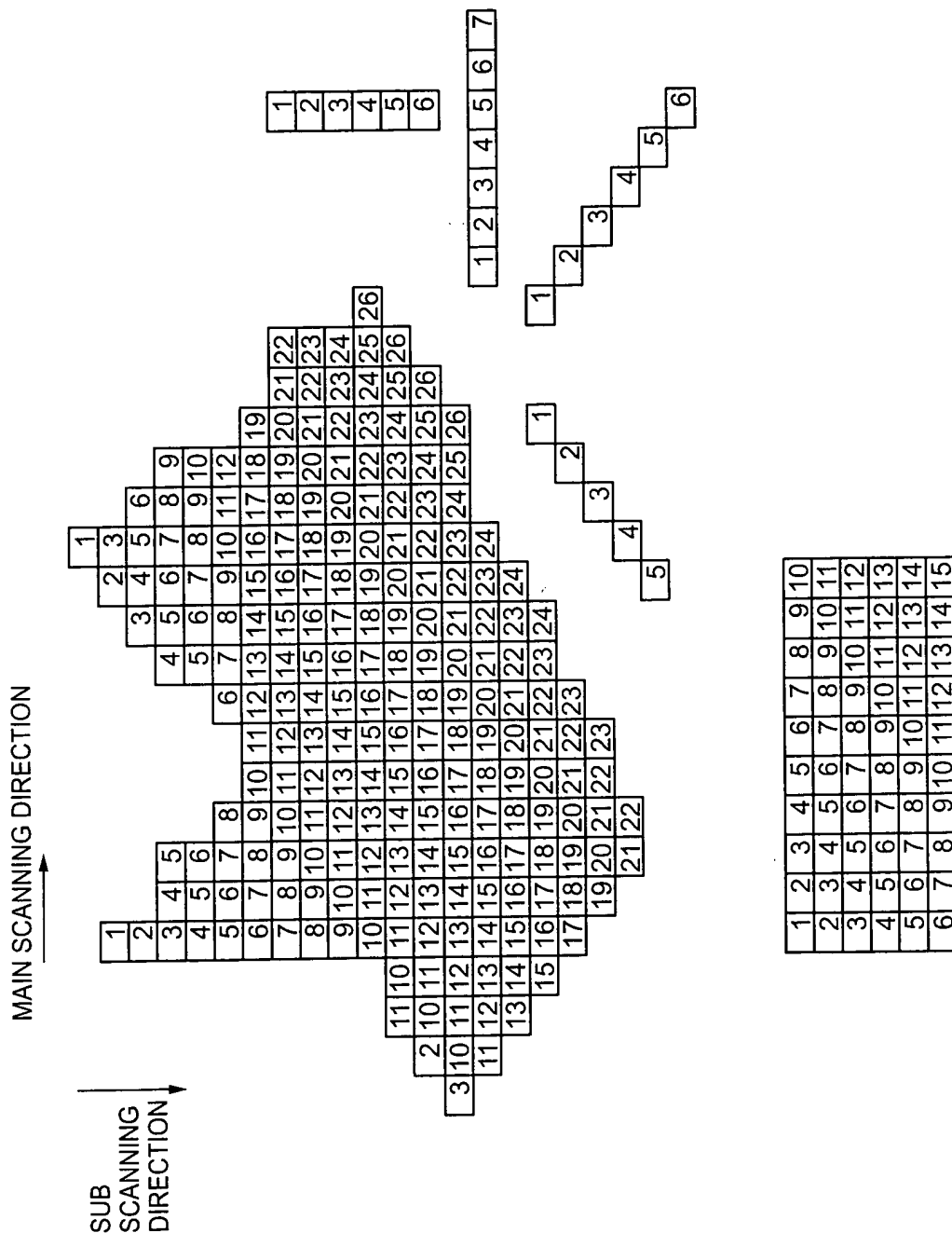


FIG.19

FIG.20(A)

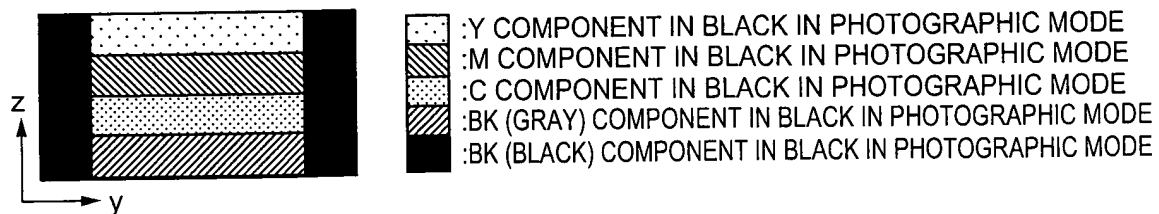


FIG.20(B)

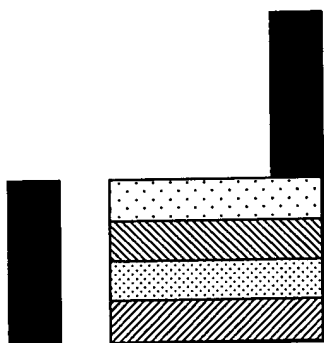


FIG.20(C)

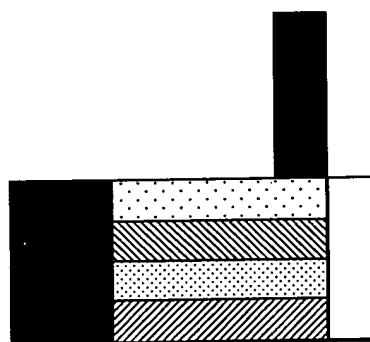


FIG.20(D)



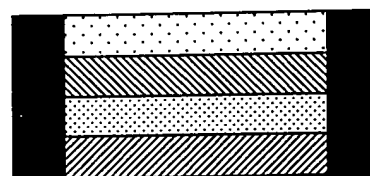
FIG.20(E)



FIG.20(F)



FIG.20(G)



0932261-041004

FIG.21(A)

	x1	x2	x3	x4
y1				
y2	A21	A22	A23	A24

FIG.21(B)

	x1	x2	x3	x4
y1				
y2				B24

FIG.21(C)

	x1	x2	x3	x4
y1				
y2				C24

FIG.21(D)

	x1	x2	x3	x4	
y1			Q13	Q14	Q15
y2			Q23	Q24	

CURRENT PIXEL